

Magento M70-101 Magento Certified Developer Exam

Q1. For an attribute to be loaded on a catalog/product object, which two of the following conditions must be satisfied? (Choose two)

- A. The eav_attribute table must contain a row defining the attribute's properties and its entity type.
- B. The attribute must have a backend model configured in the XML config.
- C. The attribute must be part of the attribute set pertaining to the object being loaded.
- D. There must be a record of the attribute on the catalog_product_super_attribute table.
- E. There must be a column added to the catalog_product_entity table.

Answer: A,C

Q2. What class does an adminhtml grid directly extend?

- A. Mage_Adminhtml_Block_Widget
- B. Varien_Data_Grid
- C. Varien_Data_Widget
- D. Mage_Adminhtml_Block_Template

Answer: A

Q3. You have a product collection and want to add a filter to get all products whose name starts with Test or whose price is 0.00.

Which of the following statements would add that OR condition?

- A. `$collection->addAttributeToFilter(array(
 array('attribute' => 'price', 'eq' => 0.00),
 array('attribute' => 'name', 'like' => 'Test%')
));`
- B. `$collection
->addFieldToFilter('price', 0.00)
->addFieldToFilter('name', array('like' => 'Test%'))
);`
- C. `$collection
->addAttributeToFilter('price', 0.00)
->addAttributeToFilter('name', array('like' => 'Test%'))
);`
- D. `$collection->addFieldToFilter(
 array('price', 'name'),
 array(array('eq' => 0.00), array('like' => 'Test%'))
);`
- E. `$collection
->addAttributeToFilter('price',0.00)
->addOrCondition('name', array('like' => 'Test%'));`

- A. Option A
 B. Option B
 C. Option C
 D. Option D
 E. Option E

Answer: A

Q4. Which three of the following conditions are used to protect an admin route via ACL? (Choose three)

- A. You have defined an ACL in your module configuration
 B. At least one admin role must have permission for that route
 C. You have extended the controller from `Mage_Adminhtml_Controller_Action`
 D. You have defined a method `_isAllowed` which checks the permission
 E. The route name must start with admin

Answer: A,C,D

Q5. Which table is used for calculating a new increment ID for an order?

- A. `sales_flat_order_increment`
 B. `eav_entity_store`
 C. `core_increment`
 D. `core_config_data`

Answer: B

Q6. Which one of the following API methods exists in Magento?

- A. catalog_category.save
- B. catalog_product.items
- C. catalog_product_attribute_set.update
- D. catalog_product.info

Answer: D

Q7. Which one of the following classes must you extend in order to implement a custom indexer?

- A. Mage_Eav_Model_Indexer_Abstract
- B. Mage_Core_Model_Indexer_Abstract
- C. Mage_Index_Model_Entity_Indexer_Abstract
- D. Mage_Index_Model_Indexer_Abstract

Answer: D

Q8. Which two EAV attribute frontend_input types make use of source models? (Choose two)

- A. text
- B. textarea
- C. select
- D. multiselect
- E. date
- F. gallery

Answer: C,D

Q9. What is the difference in the effect of calling the invoice capture () method versus the invoice pay () method?

- A. No difference: pay () will always call capture ().
- B. pay () will trigger the payment and capture () will not.
- C. capture () will trigger the payment and pay () will not.
- D. The difference is determined by the payment method implementation.

Answer: C

Q10. How is the sort order in which total models collect their values specified?

- A. The sort order is specified in the admin configuration under Sales > "Checkout Totals Sort Order".
- B. The sort order is specified in the system configuration under global/sales/quote/totals/ [total_code] with <before> and <after> nodes.
- C. The sort order is defined by the module loading order as specified by the children of the modules/ [module_name]/depends configuration node.
- D. The sort order is specified by the collect method in each total model.

Answer: A

Q11. Which method is called on a shipping carrier model to fetch a list of all available shipping methods, along with the rates associated with them, for a quote address?

- A. collectShippingRates ()
- B. getAllowedMethods ()
- C. getShippingRates ()
- D. getAvailableRates ()
- E. collectRates ()

Answer: E

Q12. Which one of the following EAV attribute types may be used for layered navigation in native Magento?

- A. varchar
- B. enum
- C. option
- D. union

Answer: C

Q13. You are creating a custom CMS module named Achme_Cms. Which one of the following is the correct XML required to override a controller from the Mage_Cms module in your Achme_Cms module?

- A. `<frontend>`
 `<outers>`
 `<cms>`
 `<args>`
 `<modules>`
 `<achme_cms before="Mage_Cms">Achme_Cms</achme_cms>`
 `</modules>`
 `</args>`
 `</cms>`
 `</outers>`
`</frontend>`
- B. `<frontend>`
 `<outers>`
 `<achme_cms>`
 `<args>`
 `<modules>`
 `<cms before="Mage_Cms">Achme_Cms</cms>`
 `</modules>`
 `</args>`
 `</achme_cms>`
 `</outers>`
`</frontend>`
- C. `<frontend>`
 `<outers>`
 `<cms>`
 `<args>`
 `<rewrite>`
 `<mage_cms>Achme_Cms</mage_cms>`
 `</rewrite>`
 `</args>`
 `</cms>`
 `</outers>`
`</frontend>`
- D. `<global>`
 `<controllers>`
 `<achme_cms>`
 `<rewrite>`
 `<mage_cms>Achme_Cms</mage_cms>`
 `</rewrite>`
 `</achme_cms>`
 `</controllers>`
`</global>`

- A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

Q14. Which of the following options would cause a poll/poll collection to load all entities that have been posted during April, 2011?

- A.

```
$collection->addAttributeToFilter('date_posted',  
    array('from' => '2011-04-01', 'to' => '2011-04-30'  
    );
```
- B.

```
$collection->addFieldToFilter('date_posted',  
    array('from' => '2011-04-01', 'to' => '2011-04-30'  
    );
```
- C.

```
$collection->addPostDateFilter('2011-04-01', '2011-04-30');
```
- D.

```
$collection->addFieldToSelect(('date_posted',  
    array('from' => '2011-04-01', 'to' => '2011-04-30'  
    );
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: B

Q15. The final price for the product on the product view page is_____.

- A. taken from the catalog_product_index_price table
- B. taken from the catalog_product_index_price_idx table
- C. taken from the catalog_product_index_price_final_idx table
- D. calculated on-the-fly on php-level
- E. pre-calculated in the products price attribute

Answer: D

Q16. Which of the following is a true statement about how Magento loads data for an EAV-based data model?

- A. A data helper is used in order to properly load an object's attributes from the database.
- B. EAV-based data models use a different abstract resource class than other data models.
- C. The attribute values are loaded into an attribute collection object.
- D. You must always specify each of the attributes to be loaded on the model.

Answer: B

Q17. Which one of the following class types directly charges a credit card when you capture an invoice in Magento admin?

- A. Order
- B. Payment
- C. Invoice
- D. payment_method

Answer: D

Q18. Applying the shopping cart rule's action affects the quote item by setting the quote item's _____.

- A. base_price and price properties with the discounted price
- B. base_discount_amount and discount_amount with the discount applied to the original price
- C. base_row_total and row_total properties with the discounted price
- D. base_price_incl_tax and price_incl_tax properties with the discounted price

Answer: B

Q19. Which one of the following statements is true regarding Mage_Core_Block_Text_List?

- A. Mage_Core_Block_Text_List declares its own template for rendering, but the rendered template can be overridden via layout XML.
- B. Child blocks of Mage_Core_Block_Text_List are always rendered alphabetically by name.
- C. Mage_Core_Block_Text_List will always render all children automatically when it is rendered.
- D. Mage_Core_Block_Text_List directly extends Mage_Core_Block_Template
- E. In order to render, the parent block of Mage_Core_Block_Text_List must always be an output block.

Answer: C

Q20. Which one of the following API protocols does native Magento support?

- A. XmlRpc
- B. REST
- C. POST
- D. Open Social
- E. XQuery

Answer: A

Q21. What is the difference between the base_grand_total and grand_total attributes of the order?

- A. base_grand_total is a grand total before tax is applied; grand_total is the grand total after tax is applied.
- B. base_grand_total is the grand total at the moment of order submission; grand_total is the grand total at the moment of order closing.
- C. base_grand_total is the grand total in the currency of the store where the order was submitted; grand_total is in US dollars always.
- D. base_grand_total is in a base currency and grand_total is in the currency of the website where the order was submitted.

Answer: D

Q22. Which object never encapsulates any shopping cart items?

- A. Mage_Checkout_Model_Cart
- B. Mage_Sales_Model_Quote
- C. Mage_Sales_Model_Quote_Address<type=shipping>
- D. Mage_Sales_Model_Quote_Address<type=billing>

Answer: B

Q23. Which of the following items is NOT utilized in Magento's implementation of EAV-based data models?

- A. An entity table for storing the entities' basic information
- B. One or more tables to store the entities' associated pieces of information
- C. A two-column cross-link table to associate attribute values with a corresponding entity
- D. Foreign keys on each relevant table to connect relevant pieces of information at the database level
- E. An attribute table that defines what data (and of what type) may be stored on a particular entity

Answer: C

Q24. Which four of these xml elements are used in system.xml to configure a system configuration property? (Choose four)

- A. backend_model
- B. admin_model
- C. frontend_model
- D. source_model
- E. source_type
- F. show_in_store

Answer: A,C,D,F

Q25. Which two of the following are supported in the native Magento API? (Choose two)

- A. partial void
- B. partial invoice
- C. partial capture
- D. partial refund
- E. partial shipment

Answer: B,E

Q26. Which of the following API calls allows you to fetch the list of related products using the native Magento API?

- A. catalog_product_link.list, with arguments \$type='related', \$product_id
- B. catalog_product.list, with arguments \$type='related', \$product_id
- C. catalog_product_related.list, with argument \$product_id
- D. catalog_product_option.list, with arguments \$type=' related', \$product_id

Answer: A

Q27. Which two of the following will return an instance of a block object? (Choose two)

- A. `Mage::getBlock('page/html_header');`
- B. `Mage::app()->createBlock('page/html_header');`
- C. `Mage::createBlock('page/html_header');`
- D. `Mage::app()->getLayout()->createBlock('page/html_header');`
- E. `Mage::getLayout()->createBlock('page/html_header');`
- F. `Mage::app()->getLayout()->createBlock('page/html_header')->setTemplate('page/html/header.phtml');`

- A. Option A
- B. Option B
- C. Option C
- D. Option D
- E. Option E
- F. Option F

Answer: D,F

Q28. Inside the XML node `config/global/blocks`, what is the correct xpath for rewriting the `catalog/product_view` block?

- A. `catalog/rewrite/product/view`
- B. `catalog_product/rewrite/view`
- C. `catalog/product/rewrite/view`
- D. `catalog/product_view/rewrite`
- E. `catalog/rewrite/product_view`
- F. `catalog_product_view/rewrite`

Answer: E

Q29. Which statement correctly describes order state and order status?

- A. State and status are independent properties of the order.
- B. The status is a child of the state.
- C. State represents the general state of the order, while status works on item level.
- D. An order doesn't have a status, only a state. Status is a property of an invoice, shipment, and credit memo.

Answer: B

Q30. Which three of the following conditions should exclude a quote item from the shipping rate calculation by a carrier model? (Choose three)

- A. `$quoteItem->getFreeShipping () == true`
- B. `$quoteItem->getProduct ()->isVirtual () == true`
- C. `$quoteItem->getweight () > 0`
- D. `$quoteItem->isShipSeparately () && $quoteItem->getHasChildren ()`
- E. `$quoteItem ()->getQty () < Mage::getStoreConfig('carriers/tableRate/min_shipping_qty')`

Answer: A,B,D

Q31. What happens when you edit an existing order using the order management page?

- A. A form appears that allows you to edit all information on the current order.
- B. A form appears that allows you to edit shipping information of the current order only.
- C. Depending on the order status, different editing forms appear for the current order.
- D. The current order is canceled and a new order is created from scratch based on the current order's data.

Answer: D

Q32.

Which two of the following methods can be used to load an entity's data from its configured data table? (Choose two)

- A. `$entityModel->loadEntity ($id)`
- B. `$entityModel->load ($attributeValue, $attributeCode)`
- C. `$entityModel->loadById ($id)`
- D. `$entityModel->loadEntity ($attributeCode, $attributeValue)`
- E. `$entityModel->load ($id)`

Answer: B,E

Q33. Which class is extended to render a dropdown in admin forms?

- A. `Mage_Adminhtml_Block_Widget`
- B. `Mage_Core_Block_Abstract`
- C. `Mage_Adminhtml_Block_Abstract`
- D. `Mage_Adminhtml_Block_Template`
- E. `Varien_Data_Form_Abstract`

Answer: E

Q34. Which one of the following is responsible for sending a remote request to the payment service when capturing an order?

- A. Payment Info
- B. Order Payment
- C. Payment Method
- D. Invoice

Answer: C

Set Product as New from Date	<input type="text"/>	[WEBSITE] <input checked="" type="checkbox"/> Use Default Value
Set Product as New to Date	<input type="text"/>	[WEBSITE] <input checked="" type="checkbox"/> Use Default Value
Status *	<input type="text" value="Enabled"/>	[WEBSITE] <input checked="" type="checkbox"/> Use Default Value
URL key	<input type="text" value="test"/> <input checked="" type="checkbox"/> Create Permanent Redirect for old URL	[STORE VIEW] <input checked="" type="checkbox"/> Use Default Value
Visibility *	<input type="text" value="Catalog, Search"/>	[STORE VIEW] <input checked="" type="checkbox"/> Use Default Value

Q35.

The checkbox "Use default value" is checked and the corresponding input field is disabled, as shown in the graphic above. How does Magento represent this state in the corresponding EAV value tables?

- A. no row with a value for this store view and a row with value NULL for default
- B. no row with a value for this store view and a row with any value for default
- C. a row with value NULL for this store view and a row with value NULL for default
- D. a row with value NULL for this store view and a row with any value for default
- E. no row with a value for this store view and no row with a value for default

Answer: B

Q36. You want to define a list of quote object attributes that are copied to the order object when an order is placed. Which one of the following statements is true?

- A. You can define this list by modifying the list of elements found in the configuration with the xpath `global/fieldsets/sales_convert_quote`.
- B. You can define this list by modifying the list of elements found in the configuration with the xpath `global/sales/quote/item/product_attributes`.
- C. You can define this list by checking the checkbox on the attribute edit page in the admin.
- D. You cannot modify the list of fields copied from quote to order because the process is hardcoded.

Answer: A

Q37.

Which statement describes a model class that extends `Mage_Core_Model_Abstract`?

- A. The model class consists of properties and methods for storing and manipulating data retrieved via separate resource classes responsible for database operations.
- B. The model class is responsible for loading the frontend layout templates and responding to page requests via its Action methods (for example, `indexAction`).
- C. The model class does not encapsulate any logic except for logic providing access to the data loaded from the database.
- D. The model class is primarily responsible for direct query operations such as retrieving and storing data and then rendering that data to the frontend view.

Answer: A

Q38. Which of the following actions will enable logging via calls to `debugData()` on a native Magento payment method model?

- A. Set the protected property `$_debug` of the payment model to true
- B. Set the config node `default/payment/debug/[method code]` to 1

- C. Call Mage::register ('payment_method_debug_' . [method code], true);
- D. Set the config node default/payment/[method code]/debug to 1
- E. Call setDebug(true) on the payment method model

Answer: D

Q39. Which method is responsible for a full re-index in the abstract Magento indexer?

- A. fullReindex ()
- B. reindexAH ()
- C. processEvent ()
- D. reindex ()

Answer: B

Q40. Which one of the following xpaths is correct for replacing Mage_Customer_Model_Custom_Address via Mage::helper ('customer/address')?

- A. global/customer/helpers/address
- B. global/rewrite/helpers/rewrite/address
- C. global/helpers/customer/rewrite/address
- D. global/helpers/rewrite/customer_address
- E. global/helpers/rewrite/customer/address

Answer: C

Q41. Which one of the following controller classes could respond to this URL?:

<http://example.com/modulename/controller/index>

- A. Namespace_ModuleName_IndexControllet
- B. Namespace_ModuleName_Controller_ControllecInclcx
- C. Namespace_ModuleName_Controller_IndexController
- D. Namespace_Modulename_ControllerController

Answer: D

Q42. In which table could you find the current order state?

- A. sales_flat_order
- B. sales_flat_order_state
- C. sales_flat_order_status
- D. sales_flat_order_status_history

Answer: A

Q43. Which of the following block methods is the best to override when there is a need to customize how the block's html is rendered?

- A. _toHtml ()

- B. toHtml ()
- C. setLayout ()
- D. renderLayout ()

Answer: A

Q44. How many items will be added to the quote after adding a configurable product to the shopping cart?

- A. the number of options
- B. the number of options+1
- C. always 1
- D. always 2

Answer: D

Q45. Which of the following allows you to save a single attribute value on an EAV entity?

- A. `$model->saveAttribute($attributeCode);`
- B. `$model->save ($attributeCode);`
- C. `$model->getResource () ->saveAttribute ($model, $attributeCode);`
- D. `$model->getResource () ->save($model, $attributeCode);`

Answer: C

Q46. When `setData ('some', 'value')` is called on an EAV entity and the entity is saved to the database, _____.

- A. the 'value' of the attribute named 'some' is saved in the `eav_values` table
- B. the 'value' of the attribute named ' some' is saved in one of the entity's tables depending on its datatype (for example, `entityname_varchar`)
- C. the data will be stored in the EAV registry making ' some' 'value' available to the entity
- D. the 'value' of the attribute named 'some' is saved in the `eav_attribute_values` table

Answer: B

Q47. In which of the following integrations should you use the Magento API?

- A. to send a SOAP request from Magento to a third-party system
- B. to receive a SOAP request from a third-party system to Magento
- C. to send or receive SOAP requests in Magento
- D. to provide tracking on the order success page

Answer: B

Q48. Which of the following is the default setup script class name?

- A. `Mage_Core_Model_Mysql4_Setup`
- B. `Mage_Core_Model_Resource_Setup_Default`
- C. `Mage_Setup_Model_Resource_Default`
- D. `Mage_Core_Model_Resource_Setup`

Answer: D

Q49. In what order are the routers from the Magento core checked for a matching route?

Default: Mage_Core_Controller_Varien_Router_Default

CMS: Mage_Cms_Controller_Router

Standard: Mage_Core_Controller_varien_Router_Standard

Admin: Mage_Core_Controller_Varien_Router_Admin

- A. Admin, Standard, CMS, Default
- B. Default, CMS, Standard, Admin
- C. Admin, CMS, Standard, Default
- D. Standard, Admin, Default, CMS

Answer: A

Q50. Which of the following will NOT generate a <script> tag in the output of the standard Magento page/html_head block?

- A.

```
<layout>
  <default>
    <reference name="head">
      <action method="addJs">
        <file>js/some.js</file>
```
- B.

```
<layout>
  <default>
    <reference name="head">
      <action method="addJs">
        <name>js/some.js</name>
```
- C.

```
<layout>
  <default>
    <reference name="head">
      <action method="addItem">
        <file>js/some.js</name>
```
- D.

```
<layout>
  <default>
    <reference name="head">
      <action method="addItem">
        <item>js</item>
        <file>js/some.js</file>
```

A. Option A

- B. Option B
- C. Option C
- D. Option D

Answer: C

Q51. A custom frontend controller will extend which one of the following classes?

- A. Mage_Core_Controller_Front_Action
- B. Mage_Adminhtml_Controller_Action
- C. Mage_Core_Controller_Varien_Front
- D. Mage_Core_Controller_Abstract

Answer: A

Q52. Which table stores information about the relationship between configurable products and their child products?

- A. catalog_product_link
- B. catalog_product_super_link
- C. catalog_product_option
- D. catalog_product_relation

Answer: B

Q53. Which of the following lines includes a payment method object?

- A. `$quote->getShippingAddress ()->setPaymentMethod(isset ($data['method']) ? $data['method'] : null);` inside Mage_Checkout_Model_Type_OnePage
- B. `.public function setPayment(Mage_Sales_Model_Quote_Payment $payment)` inside Mage_Sales_Model_Quote
- C. `$method = $this->getMethodInstance ();` inside Mage_Sales_Model_Quote_Payment
- D. `$instance->setInfoInstance($this);` inside Mage_Payment_Model_Info

Answer: C

Q54. What type of Magento class is an API resource?

- A. Controller
- B. Helper
- C. Model
- D. Resource model

Answer: C

Q55. A valid way to extend Mage_Adminhtml_Cms_PageController with the

Acme_Cms_Adminhtml PageController class would be to set the following configuration;

```

<admin>
  <outers>
    <adminhtml>
      <args>
        <modules>
          <custom_cms before="____">____</custom_cms>
        </modules>
      </args>
    </adminhtml>
  </outers>
</admin>

```

Which of the following code pairs should be inserted in the blank spots in the code shown above?

- A. Mage_Adminhtml, Acme_Cms_Adminhtml
- B. Mage_Adminhtml, Acme_Cms_Adminhtml_PageController
- C. Mage_Adminhtml_Cms_PageController, Acme_Cms_Adminhtml
- D. Mage_Adminhtml_Cms_PageController, Acme_Cms_Adminhtml_PageController

Answer: A

Q56. When you register an event observer, which two of the following pieces of information are required for it to function? (Choose two)

- A. method (or function) name
- B. method (or function) arguments
- C. class name
- D. object type (singleton, model, none, etc)
- E. call order
- F. active/inactive status

Answer: A,C

Q57. To update your order information from a third-party system using an XmlRpc call, you should _____.

- A. use the native sales_order.update API call with the url/api/xmlrpc/
- B. create a custom API resource which allows you to receive XmlRpc requests
- C. create a custom API adapter to receive XmlRpc requests
- D. create a custom API handler to process XmlRpc requests

Answer: A

Q58. Which of the following layout XML directives will set a value on a block?

- A.

```
<layout>
    <block type="some/block_class">
        <setSomeValue>value
```
- B.

```
<layout>
    <block type="some/block_class">
        <setSomeValue>
            <value>value
```
- C.

```
<layout>
    <catalog_product_view>
        <block type="some/block_class">
            <action method="setSomeValue">value
```
- D.

```
<layout>
    <catalog_product_view>
        <block type="some/block_class">
            <action method="setSomeValue">
                <a>value
```
- E.

```
<layout>
    <catalog_product_view>
        <block type="some/block_class">
            <setSomeValue>value
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D
- E. Option E

Answer: D

Q59. To implement a standard Adminhtml form for a custom data model, which two of the following must you do? (Choose two)

- A. Declare your module's block class prefix in the config.xml file.
- B. Implement a sub-class of Mage_Adminhtml_Block_widget_Form.
- C. Implement a sub-class of Mage_Adminhtml_Block_Form_Abstract.
- D. Create sub-classes of Mage_Adminhtml_Block_Form_Element_Abstract for each form field to be presented.
- E. Add a set of configuration values in the module's config.xml defining the form fields to be displayed,

Answer: A,B

Q60. Which three of the following object types will have a parent class found in the Mage_Eav module for the purposes of EAV data storage in Magento? (Choose three)

- A. data model
- B. data helper
- C. resource model

- D. resource collection
- E. setup class

Answer: C,D,E

Q61. Given a grid interface that extends from Mage_Adminhtml_Block_widget_Grid, which of the following methods could you override to allow data to be loaded from a custom data collection?

- A. _prepareDataModel
- B. _prepareCollection
- C. _initDataModel
- D. _initGrid

Answer: B

Q62. When changes are made to more than one of a collection's items using setData ('some', 'value'), which of the following methods will save the changes in the collection?

- A. \$collection->saveAll ();
- B. \$collection->saveItems ();
- C. \$collection->saveAllItems ();
- D. \$collection->save ();

Answer: D

Q63. You want to implement a custom attribute source model. Which method do you have to implement after extending Mage_Eav_Model_Entity_Attribute_Source_Abstract?

- A. getOptionText ()
- B. getAllOptions ()
- C. getOptionHash ()
- D. getOptionId ()

Answer: B

Q64. How can you make a payment method store entire credit card numbers?

- A. For security reasons, there are no native ways for doing that.
- B. Pass the credit card number to the payment method: it will be stored automatically.
- C. Change the protected property of payment method \$_canSaveCc to true.
- D. Configure your method to save the card number by setting 1 to the following xpath: default/payment/_NAME_/save_cc

Answer: C

Q65. When the Magento configuration is being loaded, all the XML files in app/etc and the module registration files under app/etc/modules/ are loaded first. After that step, in which order are the following items loaded?

1. Configuration from the core_config_data DB table
2. app/etc/local.xml

3. The etc/config.xml of all active modules

- A. 1, 3, 2
- B. 3, 1, 2
- C. 3, 2, 1
- D. 1, 2, 3

Answer: C

Q66. Which one of the following declares a Layout XML file?

- A.

```
<global>
  <layout>
    <file>
      <some>
        <module>layout.xml
```
- B.

```
<layout>
  <updates>
    <file>layout.xml
```
- C.

```
<admin>
  <layout>
    <updates>
      <module>
        <layout>layout.xml
```
- D.

```
<frontend>
  <layout>
    <updates>
      <module>
        <file>layout.xml
```

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: D

Q67. In order to successfully register and configure a new entity capable of being saved and loaded from the database, you must create a model and which three of the following? (Choose three)

- A. a collection class
- B. configuration settings in your module's config.xml
- C. an entry in Mage::\$_registry
- D. a record in the eav_entity table
- E. a resource model
- F. a table in the database that will store the entity's data

Answer: B,E,F

Q68. What does Magento use to determine whether the automatically run upgrade scripts have been run yet?

- A. The modification date on the modules' etc/config.xml file
- B. The version number (or lack thereof) stored in the core_module_version table
- C. The version number (or lack thereof) stored in the core_resource table
- D. A comparison of the resources that are capable of successfully loading

Answer: C

Q69. Assume that PayPal has presented a new API for online purchasing that you are going to use.

Which class should you extend for doing that?

- A. Mage_Sales_Model_Quote_Payment
- B. Mage_Payment_Model_Info
- C. Mage_Payment_Model_Method_Abstract
- D. Mage_Sales_Model_Order_Payment

Answer: C

Q70. Which two public methods must be implemented in a functional custom shipping method directly extending Mage_Shipping_Model_Carrier_Abstract and also implementing Mage_Shipping_Model_Carrier_Interface? (Choose two)

- A. collectRates ()
- B. getAllowedMethods ()
- C. isTrackingAvailable ()
- D. isFixed ()
- E. getConfigData ()
- F. checkAvailablenessCountries ()

Answer: A,B

Q71. The initial call to _____ will create and return an instance of the specified class.

Subsequent calls to this method during the same execution cycle will return the same class instance as opposed to creating a new one.

- A. Mage::getResourceModel ('namespace/modulename');
- B. Mage::getInstance ('namespace/modulename');
- C. Mage::getModel ('modulename/modulename');
- D. Mage::getSingleton ('modulename/modulename');

Answer: D

Q72. You want to display a grid for a custom collection. After extending Mage_Adminhtml_Block_widget_Grid, which two of these methods should you implement? (Choose two)

- A. _getCollection ()

- B. `_prepareCollection ()`
- C. `_prepareColumns ()`
- D. `toHtml ()`
- E. `render ()`

Answer: B,C

Q73. What is the basic class/interface for every model observer class?

- A. `Mage_Model_Config_Observer`
- B. `Mage_Core_Model_Event_Observer_Abstract`
- C. `Mage_Core_Model_Event_Observer_Interface`
- D. There is no required inheritance.
- E. `Varien_Object`

Answer: D

Q74. You want to filter a product collection so that it will return only SKUs 12 and 123. You will use a call to `$collection->addFieldToFilter ('sku', _____)`;

Two of the following arrays could be used to complete that call correctly. Which two? (Choose two)

- A. `array ('sku' => 12, 'sku' => 123)`
- B. `array (array ('eq' => 12), array ('eq' => 123))`
- C. `array (12 => true, 123 => true)'`
- D. `array (12, 123)`
- E. `array (array ('int' => 12), array ('int' => 123))`

Answer: B,D

Q75. How can you update a third-party system with every new order created in Magento?

- A. Use the native `sales_order.update` API call.
- B. Use a `sales_order_place_after` API call.
- C. Create an observer in Magento on the `sales_order_place_after` event.
- D. Customize the third-party system to listen to Magento's `sales__order_place_after` event.

Answer: C

Q76. Which of the following xpaths defines the correct XML structure for informing Magento that your module has install scripts?

- A. `global/resources/etc/setup/<script_directory_name>/module`
- B. `system/database/resources/<script_directory_name>/setup/module`
- C. `global/resources/<script_directory_name>/setup/module`
- D. `database/action/scripts/<script_directory_name>`

Answer: C

Q77. You have used the "refresh" action on the cache management page for the block html cache type. Which of the following types of cache record would be cleared?

- A. all cache records containing HTML code

- B. items for block classes extending Mage_Core_Block_Template only
- C. items having at least one of the tags found in the configuration under the xpath global/cache/types/block_html/tags
- D. block class items with expired lifetime

Answer: C

Q78. Which of the following methods will force an EAV resource collection model to include an attribute in its result set?

- A. addAttributeToSelect (\$attribute);
- B. getResource () ->addAttribute(\$attribute);
- C. addFieldToSelect (\$attribute);
- D. getSelect ()->from (' ', \$attribute);
- E. addAttributeToCollection (\$attribute);

Answer: A

Q79. Assume you have product with qty in stock=1, and two people are trying to buy it at the same time. Which of the following statements is true?

- A. Only one is able to add the product to the shopping cart. That person will be able to buy the product.
- B. Only the person who starts checkout first will be able to buy the product.
- C. Only the person who passes the payment step first will be able to buy the product.
- D. Both persons can go to the Place Order step, but the one who places the order first will get the product.
- E. Both persons will be able to complete the checkout, because both have local copies of the available inventory.

Answer: B

Q80. In which config areas are layout files declared? (Choose two)

- A. <admin>
- B. <adminhtml>
- C. <default>
- D. <frontend>
- E. <global>

Answer: B,D

Q81. To register a new API resource, what should you do?

- A. Register your new resource in config.xml in the node global/api/ [module name]/resources.
- B. Create etc/api.xml and register your resource in the api/resources node.
- C. Go to the System/Web services/API Resources management page, and add a new resource from there.
- D. Create an etc/resources.xml config file and register your resource in the api/resources node.

Answer: B

Q82. Two modules, Foo and Moo, both rewrite the catalog/product model, but only the Moo module's rewrite is being used. Both modules Foo and Moo reside in the community code pool. Which two approaches allow the functionality from both classes to be used? (Choose two)

- A. Copy Foo_Model_Product to the local code pool.
- B. Copy Moo_Model_Product to the local code pool and merge the logic from Foo_Model_Product into it.

- C. Copy `Moo_Model_Product` to the local code pool and make it extend `Foo_Model_Product`, making sure the logic of both classes does not conflict.
- D. Copy `Moo_Model_Product` to the local code pool.
- E. Change the rewrite directive of the `Moo` module to rewrite `foo/product` instead of `catalog/product`.

Answer: B,C

Q83. In admin, a shipment can be created _____.

- A. only after the whole order is invoiced
- B. only after at least one item is invoiced
- C. even before an invoice is created
- D. only after tracking number(s) are specified

Answer: C

Q84. How can you restrict access to a custom API resource?

- A. Only by creating a new role under System/Web Services/Roles
- B. By setting up an ACL in `etc/api.xml` and creating a new role for it in System/Web Services/Roles
- C. Only by extending `Mage_Api_Controller_Action` and overriding the `_isAllowed` method
- D. By setting up an ACL in `etc/adminhtml.xml` and creating a new role in System/Permissions/Roles

Answer: B

Q85. What must be done to allow a third-party system to access the Magento API?

- A. Run a login call with username/password, and use the returned `session_id` for every request.
- B. Get a token previously generated in Magento admin.
- C. Run an authenticate call with username/password; the call will set up a session automatically.
- D. Register the remote IP address in the `api/allowed_ips/ [system name]` node.
- E. Use a secure certificate, with public/private keys, and get a private key installed inside

Magento.

Answer: A

Q86. Which one of the following statements is true regarding layout update handles?

- A. Layout update handles must always match a `module_controller_action` pattern such as `catalog_product_view`.
- B. There may never be more than one layout update handle per request.
- C. Layout update handles are declared at any level of the layout XML hierarchy.
- D. A layout update handle may be specified as a string argument when calling `loadLayout ()`.

Answer: D

Q87. Which three of the following will return an instance of a resource model? (Choose three)

- A. `Mage::getResourceModel ('customer/customer');`
- B. `Mage::getResourceSingleton ('customer/customer');`
- C. `Mage::getModel ('customer/customer') ->getResourceModel ()`;
- D. `Mage::getResourceModel ('customer/customer')->getInstance ()`;
- E. `Mage::getModel ('customer/customer') ->getResource ()`;
- F. `Mage::getResourceModel ('customer/customer') ->getResource()`;

Answer: A,B,E

Q88. By enabling Flat catalog, you will _____.

- A. speed up performance on the frontend
- B. speed up saving product on the backend
- C. simplify the product import process
- D. speed up loading product on the backend

Answer: A

Q89. Which of the following payment methods' payment actions creates an invoice during the "place order" step?

- A. Mage_Payment_Model_Method_Abstract::ACTION_AUTHORIZE
- B. Mage_Payment_Model_Method_Abstract::ACTION_CAPTURE
- C. Mage_Payment_Model_Method_Abstract::ACTION_AUTHORIZE_CAPTURE
- D. Mage_Payment_Model_Method_Abstract::ACTION_INVOICE

Answer: C

Q90. Which model is responsible for calculating the taxes for the selected shipping rate?

- A. shipping/rate_result
- B. shipping/total_tax
- C. tax/sales_total_quote_tax
- D. the concrete shipping carrier model implementation
- E. shipping/rate_request

Answer: C

Q91. A native Magento EAV entity will use_____.

- A. A single table with separate columns for each data type (for instance, decimal, text, varchar, etc.)
- B. A single table with separate columns for all data types used by the entity
- C. A separate table for each data type (for instance, decimal, text, varchar, etc.)
- D. A separate table for each data type in addition to a flat data table with separate columns to store values for each data type used by the entity

Answer: C

Q92. In which order are the following methods executed after Mage_Core_Model_Abstract::save () is called?

- 1 - Mage_Core_Model_Abstract::_beforeSave ()
- 2 - Mage_Core_Model_Abstract::_afterSave ()
- 3 - Mage_Core_Model_Mysql4_Abstract::_beforeSave ()
- 4 - Mage_Core_Model_Mysql4_Abstract::_afterSave ()
- 5 - Mage_Core_Model_Abstract::afterCommitCallback ()

- A. 1, 2, 3, 4, 5
- B. 1, 3, 2, 4, 5
- C. 1, 3, 4, 2, 5
- D. 3, 1, 4, 2, 5

Answer: C

Q93. Which of the following node names may be used inside the setup resource declaration to utilize a custom setup class?

- A. resourceModel
- B. resourceClass
- C. setupClass
- D. class

Answer: B

Q94. How does Magento store comments regarding different entities (invoice, credit memo, shipment)?

- A. Each comment is a separate entity with a type attribute which identifies the owner of the comment. All comments are stored in one sales_comment table.
- B. Comments to invoice, credit memo and shipment are different entities stored in the different tables.
- C. All comments belong directly to the order, and are stored in the sales_flat_order_comments table.
- D. Each comment is an attribute of the appropriate entity (invoice, credit memo, shipment).

Answer: B

Q95. Which file path correctly identifies the location of a modules install/upgrade scripts inside the primary module directory?

- A. sql/<setup_resource_name>/
- B. var/scripts/
- C. scripts/
- D. <setup_resource_name>/

Answer: A

Q96. Given an EAV-based data model whose data is stored in the table foo_entity, in which table would you find the values for an attribute of the varchar type?

- A. foo_entity_attribute_storage
- B. foo_entity_varchar
- C. entity_attribute_varchar
- D. foo_entity

Answer: B

Q97. A customer bought two items but wants to cancel one. Which option enables the administrator of the site to edit the quantity while the invoice is being captured in the admin area?

- A. In the System Configuration, under the Sales section, set "Allow partial invoice" to "true".

- B. In the payment method, set the `$_canCapturePartial` protected variable to true.
- C. There are no native ways to do this: override the `sales/order/invoice/view/items.phtml` template.
- D. In the configuration node, set `default/payment/{METHOD_NAME}/allow_partial_invoice` to 1.

Answer: B

Q98. Which one of the following classes does NOT exist in Magento?

- A. `Mage_Adminhtml_Block_Widget_Form_Element_Abstract`
- B. `Mage_Adminhtml_Block_Widget_Form`
- C. `Mage_Adminhtml_Block_Widget_Form_Container`
- D. `Mage_Adminhtml_Block_Widget_Form_Element`
- E. `Varien_Data_Form_Element_Abstract`

Answer: A

Q99. What do you need to do to implement a completely new Web Service protocol in Magento?

- A. Create your own adapter and controller.
- B. Create your own API resource.
- C. Create a new API helper.
- D. Create a new model extended from `Mage_Api_Model_Abstract`.

Answer: A

Q100. What is the xpath to the list of product types?

- A. `catalog/product/type`
- B. `global/catalog/product/type`
- C. `default/catalog/product/type`
- D. It depends on the product type.

Answer: B

Q101. For which two of the following composite products could the options be shipped separately on the frontend using "Checkout with multiple addresses"? (Choose two)

- A. configurable physical product
- B. bundle product consisting of physical products
- C. grouped product consisting of physical products
- D. bundle product consisting of virtual products
- E. grouped product consisting of virtual products

Answer: B,C

Q102. Assume you added a product with custom options to the shopping cart. Where will the data for the custom options be stored persistently?

- A. in the `sales_flat_quote` table, as a serialized string in a text field
- B. in the session, as a serialized array
- C. in a separate table, `sales_flat_quote_item_option`
- D. Magento doesn't store persistent data about custom options; only the new price and new SKU are stored.

Answer: C

Q103. Assume that:

- \$product is a loaded instance of Mage_Catalog_Model_Product/. Catalog Price Scope is set to global, and
- \$customerGroupId contains a valid customer group ID.

Which one of the following statements will correctly set new group prices?

- ☐ A. `$product->addGroupPrice($price, $customerGroupId, 0)->save();`
- ☐ B. `$product->setGroupPrice(array(
 array(
 'website_id' => 0,
 'cust_group' => $customerGroupId,
 'price' => 724.99
)
))->getResource()->getAttribute('group_price')
->getBackend()->afterSave($product);`
- ☐ C. `$product->addAttributeUpdate('group_price', array(
 'website_id' => 0,
 'cust_group' => $customerGroupId,
 'price' => 724.99
), 0);`
- ☐ D. `$product->getGroupPriceInstance()->addPriceRow(array(
 'website_id' => 0,
 'cust_group' => $customerGroupId,
 'price' => 724.99
));`

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: B

Q104. You want your module to set some data on the shopping cart item when a product is added to the cart on the frontend. Which event can be used regardless of how the product is added to the cart (from wishlist, through quote merge, etc.)?

- A. checkout_cart_add_product_complete
- B. checkout_cart_product_add_after
- C. checkout_cart_save_before
- D. sales_quote_add_item
- E. sales_quote_product_add_after
- F. sales_quote_merge_after

Answer: D

Q105. Which of the following should you do in order to add another product attribute to the condition in a shopping cart price rule?

- A. Mark the attribute as "Use for Promo Rule Conditions" on the attribute management page in the admin.
- B. Override Mage_SalesRule_Model_Rule_Condition_Product and modify the protected variable `$_ruleAttributes`.
- C. Create an observer on the load sales rule product attributes event.
- D. Add another child to the configuration node `global/catalog/attributes_to_use_in_sales_rules`.

Answer: A

Q106. You are implementing an observer Method for the event `controller_action_predispatch`, and `$action` contains the action controller passed via `$observer->getControllerAction()`. You want to

display the customer/account/login page instead of the currently requested one. Which three of the following methods successfully accomplish this? (Choose THREE)

- ☐ A. `$action->getResponse()->setRedirect(Mage::getUrl('customer/account/login'));`
- ☐ B. `$action->setForward('login', 'account', 'customer');`
- ☐ C. `$action->setRedirect('customer/account/login');`
- ☐ D. `$action->getResponse()->setForward('login', 'account', 'customer');`
- ☐ E. `$action->setRedirectWithCookieCheck('customer/account/login');`
- ☐ F. `$action->getRequest()->setDispatched(false)->setFullActionName('customer_account_login');`
- ☐ G. `$action->getRequest()->setDispatched(false)->setActionName('login')->setControllerName('account')->setModuleName('customer');`

- A. Option A
- B. Option B
- C. Option C
- D. Option D
- E. Option E
- F. Option F
- G. Option G

Answer: A,E,G

Q107. What is the name of the shopping cart item created from a recurring product?

- A. Nominal
- B. Non-nominal
- C. Virtual
- D. Recurrent

Answer: A

Q108. How is a flat table updated?

- A. Directly from the Product resource model, in the `_aftersave` method
- B. By a special flat indexer
- C. By an observer on `catalog_product_model_save_after`
- D. By a cron job

Answer: B

Q109. In what order are the following hook methods called by `Mage_Adminhtml_Block_Widget_Grid`?

- ☒ A. `_beforeToHtml`, `_prepareGrid`, `_prepareColumns`, `_prepareMassActionBlock`, `_prepareCollection`
- ☐ B. `_prepareGrid`, `_prepareColumns`, `_prepareMassActionBlock`, `_prepareCollection`, `_beforeToHtml`
- ☐ C. `_beforeToHtml`, `_prepareCollection`, `_prepareGrid`, `_prepareColumns`, `_prepareMassActionBlock`
- ☐ D. `_prepareMassActionBlock`, `_beforeToHtml`, `_prepareGrid`, `_prepareColumns`, `_prepareCollection`
- ☐ E. `_prepareColumns`, `_prepareGrid`, `_prepareMassActionBlock`, `_prepareCollection`, `_beforeToHtml`

- A. Option A
- B. Option B
- C. Option C
- D. Option D
- E. Option E

Answer: A

Q110. Which one of the following code fragments will create a new table in Magento?

- ☐ A. `$installer->getConnection()`
`->addTable(_TABLE_NAME_)`
`->addColumn(_COLUMN_NAME_, _COLUMN_TYPE_, null, array(), COM`
`->save();`
- ☐ B. `$installer->getConnection()`
`->createTable(_TABLE_NAME_, array(_COLUMN_DEFINITION_));`
- ☐ C. `$table = new Varien_Db_Ddl_Table();`
`$table->setName(_NAME_)`
`->addColumn(_COLUMN_NAME_, _COLUMN_TYPE_, null, array(),`
`$installer->getConnection()->createTable($table);`
- ☐ D. `$table = new Varien_Db_Ddl_Table();`
`$table->setName(_NAME_)`
`->addColumn(_COLUMN_NAME_, _COLUMN_TYPE_, null, array(),`
`->save($installer->getConnection());`

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: C

Q111. Which is a responsibility of EAV attribute frontend models?

- A. To format the attribute value and label before displaying them
- B. To provide access to an attribute's EAV value table
- C. To provide direct access to the EAV attribute models for templates
- D. To provide direct read access to attribute values in the EAV value tables for display

Answer: A

Q112. Which one of the following accurately describes the purpose of the resource helper classes instantiated through `Mage::getResourceHelper()`?

- A. Format values returned by the database for display in templates.
- B. Provide a convenient way to modify database table properties.
- C. Provide public access to concrete implementations of `varien_Db_Adapter_Interface`.
- D. Provide clean access to another module's database tables.
- E. Wrap vendor-specific SQL additions into an RDBMS-agnostic interface.

Answer: E

Q113. Which one of the following calls returns a simple product type model?

Assume that \$product is an instance of Mage_Catalog_Model_Product representing a simple product.

- A. \$product->getTypeInstance()
- B. \$product->getType()
- C. Mage::getSingleton('catalog/producttype')->getType(\$product)
- D. Mage_Catalog_Model_Product_Type::factory('simple')
- E. Mage_Catalog_Model_Product_Type::getInstance(\$product)

Answer: A

Q114. Which of the following is an advantage to using an EAV-based model instead of a model storing data in a single table?

- A. An EAV-based model can be used to store a broader range of data types.
- B. A single EAV model can represent objects with dynamic sets of attributes.
- C. Data for an EAV data model will load from the database much faster.
- D. Use of an EAV architecture automatically de-duplicates data stored in the database.

Answer: B

Q115. What is the total model Mage_Sale_Model_Quote_Addres_Total Nominal used for?

- A. It runs nominal total models in case of need.
- B. It calculates nominal prices for every item.
- C. It calculates prices only for items that are represented by the nominal product types.
- D. It checks whether the whole quote is nominal or not.

Answer: A

Q116. When an admin page is requested, which of the following methods will be executed first?

- A. Mage_Adminhtml_Controller_Action::preDispatch ()
- B. Mage_Core_Controller_Router_Default::match ()
- C. Mage_Core_Controller_Varien_Action::dispatch ()
- D. Mage_Core_Controller_Varien_Front::dispatch ()

Answer: D

Q117. Assume we have a table mage_acme/ and you want to add an index for two fields, A and B.

Which one of the following code fragments can do that?

- ☐ A. `$installer->addIndex('mage_acme', "A", "B");`
- ☐ B. `$installer->getConnection()->addIndex($installer->getTable("A", "B"));`
- ☐ C. `$installer->getConnection()
->addIndex(
 $installer->getTable('mage/acme'),
 $installer->getIdxName('mage/acme', array("A", "B"
 array("A", "B")
);`
- ☐ D. `$installer->getTable('mage/acme')
->addIndex(
 $installer->getIndexName(array("A", "B")),
 array("A", "B")
);`
- ☐ E. `$installer->getTable('mage/acme')
->addIndex(
 $installer->getIndexName(array("A", "B")),
 array("A", "B")
)
->save();`

- A. Option A
- B. Option B
- C. Option C
- D. Option D
- E. Option E

Answer: C

Q118. Given an EAV-based data model, values for each of the object's attributes are stored in

- A. type-specific columns on a general purpose attribute-value storage table
- B. a type-specific table used for storing all attribute values of the given type for all entities
- C. a table specific to both the attributes data type and the given objects entity type
- D. type-specific columns on an entity-specific attribute-value storage table

Answer: C

Q119. What is the purpose of the configuration XML flag stored in

global/resource/connection/type/pdomysql/compatibleMode? (Choose TWO.)

- A. If set to 0, then MySQL-specific SQL is used.
- B. If set to 0, then only standard-compliant SQL is used.
- C. If set to 0, then data structures compatible with OpenCommerce Language are exported when using Data flow.
- D. If set to 0, then all data structures are exported when using Dataflow.
- E. If set to 1, then MySQL-specific SQL is used.
- F. If set to 1, then only standard-compliant SQL is used.
- G. If set to 1, then data structures compatible with OpenCommerce Language are exported when using Data flow.

Answer: B,E

Q120. Assume the following price configuration:

- Price: 10
- Group price: group=General, price=15
- Tier price: group=All Groups, qty=1, price=20
- Tier price: group=General, qty=1, price=25

Which price will a customer from the "General" group see on the product view page?

- A. 10
- B. 15
- C. 20
- D. 25

Answer: A

Q121. You want to replace the instance of Mage_Customer_Helper_Address returned by Mage::helper('customer/address') with an instance of your own class. Which one of the following xpaths would accomplish that?

- A. global/rewrite/helpers/rewrite/address
- B. global/customer/helpers/address
- C. global/helpers/rewrite/customer address
- D. global/helpers/rewrite/customer/address
- E. global/helpers/customer/rewrite/address

Answer: E

Q122. In native Magento, without using conditions, which TWO of the following are scopes to which a shopping cart price rule can apply? (Choose TWO.)

- A. Website
- B. Store
- C. Country
- D. Customer group
- E. Store group
- F. Category

Answer: A,D